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(54) **TRPV1 INHIBITORY PEPTIDES AND COMPOSITION FOR SKIN-AGING PROTECTION OR WRINKLE IMPROVEMENT COMPRISING THE SAME**

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See application file for complete search history.

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**C07K 7/06** (2006.01)  
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**G01N 33/68** (2006.01)

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(58) **Field of Classification Search**

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(57) **ABSTRACT**

TRPV1 inhibitory peptides and a composition for skin-aging prevention and wrinkle improvement comprising the same as an active ingredient are described. The TRPV1 inhibitory peptide of the present subject matter inhibits the expressions of MMP and proinflammatory cytokines induced by UV exposure and reduces skinfold thickness and intracellular Ca<sup>2+</sup> influx, so that it can be effectively used as an active ingredient of the composition for skin-aging prevention, wrinkle improvement, skin-whitening, or alleviating inflammation, irritation, or pain.

**16 Claims, 18 Drawing Sheets**